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# New Science and Technology Journals

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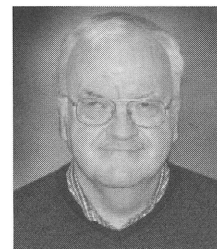
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## New Science and Technology Journals

## Earl Mounts



*Artifact*. 1749-3463. Taylor & Francis. v.1, 2006. 1/year. \$275.00. <http://www.tandf.co.uk/journals/titles/17493463.asp>

The journal *Artifact* is an international peer-reviewed academic journal dealing with design. The journal addresses topical themes and issues that are of relevance to design researchers, practicing designers, and manufacturers. It reflects the broad field that makes up design today by giving researchers from different disciplines the opportunity to debate and exchange ideas about specific areas and issues. *Artifact* does not draw an artificial line between the virtual and the physical. It strives to illuminate the problems and possibilities of their interaction. The journal does not frame digital design as a design discipline such as industrial design or graphic communication, but assumes an open position. The aim of the journal is to promote transdisciplinary design research, encourage cross-fertilization, interconnections, and crossbreeding among different scientific disciplines, the design industry, and the arts. The journal embraces experimental research approaches to design, with a basis in, or view to applied design practice. *Artifact* is an e-first journal. Articles are published online in their final form as soon as they have been corrected.

*Asian Journal of Water, Environment and Pollution*. 0972-9860. IOS Press. v.1, 2004. 2/year. \$174.00. <http://www.iospress.nl/html/09729860.php>

Asia, as a whole region, faces severe stress on water availability, primarily due to high population density. Many regions of the continent face severe problems of water pollution on local as well as regional scale and these have to be tackled with a pan-Asian approach. The available literature on the subject is generally based on research done in Europe and North America. Therefore this journal focuses on Asia. In Asia, besides water, there are several other issues related to the environment, such as: global warming and its impact; intense land use and the shifting pattern of agriculture; issues related to fertilizer applications and pesticide residues in soil and water; and solid and liquid waste management particularly in industrial and urban areas.

*Cheminformatics*. 1572-4778. IOS Press. v.1, 2006. 2/year. \$188.00. <http://www.iospress.nl/html/15724778.php>

*Cheminformatics* features invited reviews and innovations in the rapidly growing and evolving field of computerized chemical information handling. The journal covers all those fields in which information technology and resources are used "to transform chemical data into information and information into knowledge" and is of particular interest to chemists, computer scientists and information specialists. Major topics include chemical information acquisition, i.e. methods used for generating and collecting chemical data experimentally and by molecular simulation. These include computerized synthetic analysis; chemical information management, i.e. storage, handling and retrieval of data; and chemical information use, i.e. chemical database development and usage, data analysis and data mining including use of chemically aware Web Language.

*Evidence Based Library and Information Practice*. University of Alberta Learning Services. 4/year. <http://ejournals.library.ualberta.ca/index.php/EBLIP>

*EBLIP* is a peer reviewed, open access journal published quarterly by the University of Alberta Learning Services, using the Open Journal Systems journal management and publishing system. The purpose of the journal is to provide a forum for librarians and other information professionals to discover research that may contribute to decision making in professional practice. *EBLIP* publishes original research and commentary on the topic of evidence based library and information practice, as well as reviews of previously published research (evidence summaries) on a wide number of topics. Articles in the first issue include "Adding SPICE to a Library Intranet Site: A Recipe to Enhance Usability", "Name Authority Challenges for Indexing and Abstracting Databases", "Evidence-Based Marketing for Academic Librarians", "Undergraduate students do not understand some library jargon typically used in

library instruction", and "The majority of library clients still use person-to-person interaction when asking reference questions".

*IEE Proceedings--Information Security*. 1747-0722. Institution of Engineering and Technology. v.153, 2006. 4/year. \$525.00. <http://www.ietdl.org/IP-IFS>

*IEE Proceedings--Information Security* publishes original research papers in areas of information security and cryptography including access control and database security, anonymity and e-voting, block ciphers and hash functions, covert channels and information flow, digital rights management, digital steganography, elliptic curve cryptography, firewall security, intrusion detection, key management and secret sharing, malware, peer-to-peer security, quantum cryptography, secure electronic commerce, software obfuscation, and watermarking and fingerprinting.

*IEE Proceedings--Intelligent Transport Systems*. 1748-0248. Institution of Engineering and Technology. v.153, 2006. 4/year. \$525.00. <http://www.ietdl.org/IP-ITS>

*IEE Proceedings--Intelligent Transport Systems* is an interdisciplinary journal devoted to research into the practical applications of intelligent transport systems and infrastructures. Subjects covered include information collection and processing; in-vehicle ITS; safety and vulnerable road user aspects; demand management and electronic payment systems; fleet and public transport logistics; emergency and incident management; interoperability standards and architectures; sustainability and environmental issues; human machine interaction; and deployments with enabling technologies.

*IEEE Transactions on Information Forensics and Security*. 1556-6013. IEEE. v.1, 2006. 4/year. \$648.00. <http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=10206>

This publication includes research on the fundamental contributions and the mathematics behind information forensics, information security, surveillance, and systems applications that incorporate these features. Topics covered in the first issue include automatic facial expression recognition, 3-D finger geometry, authentication of noisy messages, and perceptual image hashing. The editor-in-chief is Pierre Moulin, Professor in the Electrical and Computer

Engineering Department at the University of Illinois.

*IEEE Computational Intelligence Magazine*. 1556-603X. IEEE. v.1, 2006. 4/year. \$375.00. <http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=10207>

*IEEE Computational Intelligence Magazine* covers all areas of computational intelligence design and applications: applications oriented developments, successful industrial implementations, design tools, technology reviews, computational intelligence education, and applied research. Editor-in-chief is Gary Yen, Professor, Intelligence Systems and Control Laboratory at Oklahoma State University. Topics in the premiere issue include deciphering mechanisms of gene regulation, robust route optimization for gritting/salting trucks, evolvable hardware, and evolutionary computation and games.

*Micro & Nano Letters*. 1750-0443. Institution of Engineering and Technology. v.1, 2006. <http://www.ietdl.org/Publish/Journals/ProfJourn/MNL/index.cfm>

This journal specializes in the express publication of short research papers concentrating on the latest advances in the science, engineering, technology and applications of miniature and ultraminiature structures and systems that have at least one dimension ranging from a few tens of micrometers to a few nanometers. *Micro & Nano Letters* offers a rapid route for international dissemination of high quality research findings generated by researchers from both the micro and nano communities. Contributions addressing issues spanning from fundamental understanding to experimental demonstrations in the disciplines of engineering, physical, chemical, biological and material science should be submitted, with particular interest placed on manuscripts addressing cross-disciplinary activities and applications.

*Stratigraphy*. 1547-139X. Micro Press. v.1, 2005. 4/year. \$280.00. <http://micropress.org/stratigraphy/>

*Stratigraphy* accepts papers in all stratigraphic disciplines including chronostratigraphy, biostratigraphy, cyclostratigraphy, sequence stratigraphy, tectonostratigraphy, chemostratigraphy, and lithostratigraphy, among others. It is the journal of record for the North American Commission on Stratigraphic

Names (NACSN), the International Association of Stratigraphic Geologists (IASG), and the International Commission on Stratigraphy (ICS).

*Wood Material Science and Engineering*. 1748-0272. Taylor & Francis. v.1, 2006. 4/year. \$205.00. <http://www.tandf.co.uk/journals/titles/17480272.asp>

The journal *Wood Material Science and Engineering* aims to serve at the forefront of the wood science and technology field and includes

articles relevant to wood material science with emphasis on water-wood relations, wood durability, wood modification, wood mechanics, wood composites, engineered wood products, and eco-efficient wood based products. Also covered is wood engineering, i.e. the application of wood material science to the design, building, and use of machines and construction.❖

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